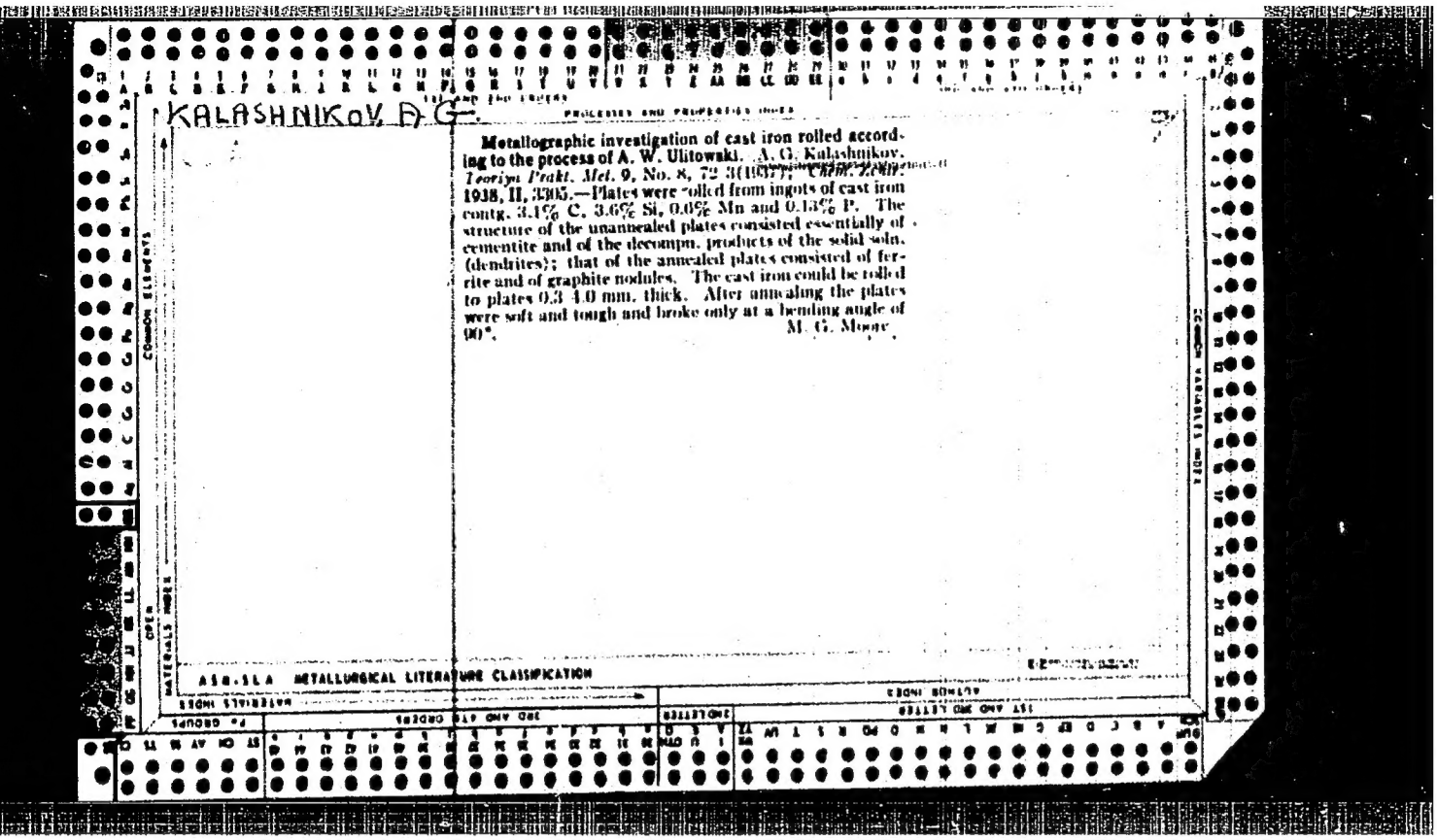
"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0



KALASHNIKOV A G.

Metallographic investigation of cast iron rolled according to the process of A. W. Ulitowski. A. G. Kalashnikov. *Teoriya Prakt. Met.* 9, No. 8, 72 3(1937); *Chem. Zentr.* 1938, II, 3305.—Plates were rolled from ingots of cast iron contg. 3.4% C, 3.6% Si, 0.0% Mn and 0.15% P. The structure of the unannealed plates consisted essentially of cementite and of the decompn. products of the solid soln. (dendrites); that of the annealed plates consisted of ferrite and of graphite nodules. The cast iron could be rolled to plates 0.3–4.0 mm. thick. After annealing the plates were soft and tough and broke only at a bending angle of 90°.

M. G. Moore.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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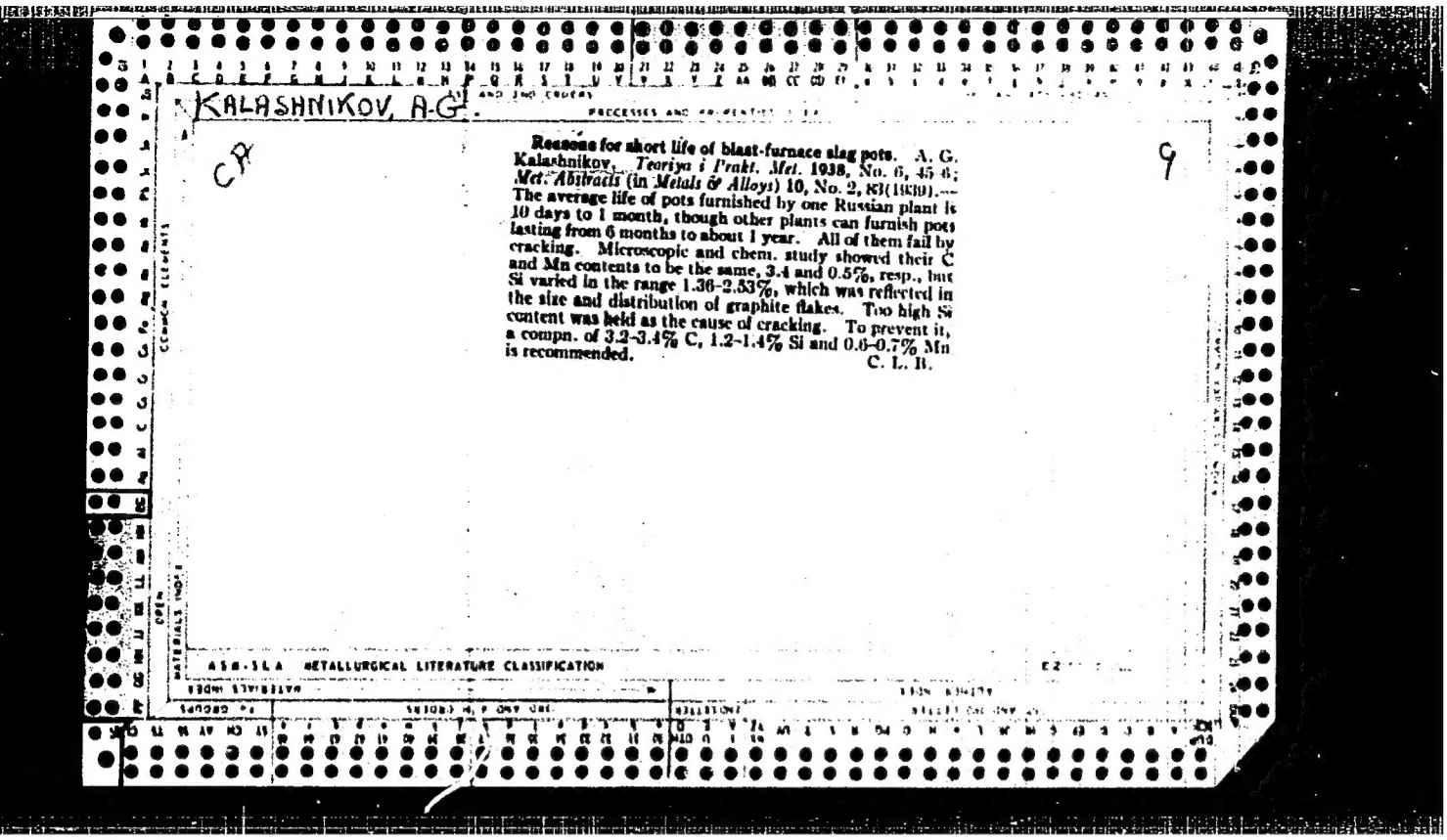

KALASHNIKOV, A.G.

CA

9

Reasons for short life of blast-furnace slag pots. A. G. Kalashnikov. *Teoriya i Prakt. Met.* 1938, No. 6, 45-6; *Met. Abstracts* (in *Metals & Alloys*) 10, No. 2, 83(1939).—The average life of pots furnished by one Russian plant is 10 days to 1 month, though other plants can furnish pots lasting from 6 months to about 1 year. All of them fail by cracking. Microscopic and chem. study showed their C and Mn contents to be the same, 3.4 and 0.5%, resp., but Si varied in the range 1.36–2.53%, which was reflected in the size and distribution of graphite flakes. Too high Si content was held as the cause of cracking. To prevent it, a compn. of 3.2–3.4% C, 1.2–1.4% Si and 0.6–0.7% Mn is recommended.

C. L. B.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.

Tractors - Repairing

Wear and repair of connecting rods in the DT-54 tractor. MTS 12 No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1953. Unclassified.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

1. KALASHNIKOV A.G. Eng.

2. USSR (600)

4. Shafting

7. Doubling the life period of the shaft, Vest. mash. 32. No.11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Unclass.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.

1. BABUK, V.; KALASHNIKOV, A.; MAKSIMCHUK, F.; SAMSONENKO, G.

2. USSR (600)

4. Gas and Oil Engines

7. Repair and assembly of the head of the block and cylinders of the DT-54 tractor. Tekhsov. MTS 13 no. 33, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A. G.

"Investigation of the Wear Resistance and Development of a Repair Technology for Tractor Parts Made of Spheroidal Graphite Cast Iron." Cand Tech Sci, Ukrainian Sci Res Inst for the Mechanization of Agriculture, Min Agriculture,UkSSR, Kiev, 1953. (KL, No 17, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

BERMAN, L.V.,; KALASHNIKOV, A.G., professor, redaktor; SHMIDT, V.O., redaktor; SHAPOSHNIKOVA, A.A., redaktor; TYSHKEVICH, Z.V., tekhnicheskiy redaktor.

[Study of automobiles and tractors; extra curricular assignments and work outside of school] Izuchenie avtomobilia i traktora; vo vneklassnoi i vneshkol'noi rabote. Pod red. A.G.Kalashnikova. Moskva, Izd-vo Akademii pedagogicheskikh nauk RSFSR, 1955. 57 p. illus. (MLRA 8:11)

1. Deystvitel'nyy chlen APN RSFSR (for Kalashnikov).
(Automobiles--Handbooks, manuals, etc.)
(Tractors--Handbooks, manuals, etc.)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, Aleksandr Grigor'yevich, kandidat tekhnicheskikh nauk; BABUKA, V.B., redaktor; KIRNYEV, F.N., redaktor; ZUBAREV, A.S., tekhnicheskiy redaktor

[Repairing the engine of the KhTZ-7 tractor] Remont dvigatelia traktora KhTZ-7. Pod red V.B. Babuka. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR, 1957. 63 p. (MLRA 10:4)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina (for Babuka)
(Tractors--Engines)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

AUTHOR: Kalashnikov, A.G., Engineer SOV/133-58-8-17/30

TITLE: The Influence of Arsenic on the Weldability of Low-carbon Steels (Vliyaniye mysh'yaka na svarivayemost' malougler-odistykh staley)

PERIODICAL: Stal', 1958, Nr 8, pp 736 - 739 (USSR)

ABSTRACT: In view of conflicting opinions on the influence of arsenic on the weldability of low-carbon steels under forging conditions expressed in literature, the problem was investigated. Specimens from 21 heats of killed and rimming St.3sp and MSt 3 steels of 12 and 20 mm thick, containing from 0.09 to 0.29% of As were taken for the investigation. Arsenic was introduced into the metal in the form of iron-arsenic briquettes during teeming of steel into ingot moulds. The chemical compositionsof steel specimens are given. Altogether 212 pairs of specimens were forge-welded under standard conditions, of which 121 were used for tensile and 91 for cold-bend tests. The experimental results are given in Figures 1 and 2 and the table. The microstructure of welds from steels of an increased arsenic content - Figure 3. It is concluded that forge-welding of killed and rimming steel St3, containing up to 0.29% of arsenic, can be done satisfactorily without

Cardl/2

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

The Influence of Arsenic on the Weldability of Low-carbon Steels

the application of any special fluxes (the proportion of rejects was not higher than for steel containing no arsenic). For strip thickness of 12 mm, the above content of arsenic has no influence on the quality of welds. At 20 mm thickness of specimens, forge-welding is somewhat more difficult and with increasing arsenic content in steel, its weldability deteriorates. However, if technological conditions of welding (uniformity of heating, without interruptions in the blast, cleaning from slag, intensive forging) are strictly maintained, then such strips could be satisfactorily welded at an arsenic content of 0.29%. There are 3 figures, 1 table and 7 references, 5 of which are Soviet and 2 German.

ASSOCIATION: Zavod "Azovstal'" ("Azovstal'" Works)

Card 2/2

1. Steel--Forging 2. Steel--Structural analysis
3. Arsenic--Metallurgical effects

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.G., kand.tekhn.nauk

Ways of prolonging the life of tractors and agricultural machinery. Trakt. i sel'khozmash. no.12:1-6 D '58. (MIRA 11:12)
(Tractors) (Agricultural machinery)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

SOV/130-58-12-9/21

AUTHORS: Bul'skiy, M.T., Kalashnikov, A.G., Beloglovskiy, M.Sh. and Alimov, A.G.

TITLE: The Structure of Rimming-Steel Ingots (Ostrukture slitkov kipyashchey stali)

PERIODICAL: Metallurg, 1958, Nr 12, pp 20-22 (USSR) D.

ABSTRACT: Rimming steel with under 0.37% C and 0.7-1.0% Mn has been produced at the "Azovstal'" works since 1955 and accounts for 60% of total output. The authors give reductions in metal loss obtained by substituting semi-killed steel for killed steels. They tabulate melting and teeming data and analyses for two heats of type Ometiz, 1 of type 3 kp and 1 of type 5 kp steels, and go on to compare the structures of the corresponding 6.8-tonne ingots. The compositions of ladle samples were, respectively: 0.10, 0.07, 0.22 and 0.36% C; 0.30, 0.47, 0.42 and 0.71% Mn; 0.052, 0.038, 0.049 and 0.03% S; 0.036, 0.03, 0.032 and 0.038% P; 0.135, 0.112, 0.140 and 0.138% As. The durations of effervescence in the ingot moulds were, respectively, 30, 15, 15 and 3 minutes. The structures of longitudinal axial fractures of the ingots (Figs 1, 2)

Card 1/2

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The Structure of Rimming-Steel Ingots SOV/130-58-12-9/21

show that by following the main points of specified melting and pouring procedures sound ingots can be obtained, securing minimal metal consumption in rolling. The authors suggest that, in view of the quality of 5 kp steel ingots, this steel should be more widely used. There are 2 figures and 1 table.

ASSOCIATION: "Azovstal'" works

Card 2/2

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.G., inzh.

Effect of arsenic on the weldability of low-carbon steels [with summary in English]. Stal' 18 no.8:736-739 Ag '58. (MIRA 11:8)

1.Zavod "Azovstal'."
(Steel alloys--Welding) (Arsenic)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

SOV/133-59-9-23/31

AUTHOR: Kalashnikov, A.G.

TITLE: Formation of Influxes on Rail Heads

PERIODICAL: Stal', 1959, Nr 9, pp 837-840 (USSR)

ABSTRACT: Causes of defects on rail heads, called "influxes" were investigated. Of all the defective rail specimens (rails produced in the Azovstal' Works) sent with complaints from various railways of the USSR, 38.3% were defects of metallurgical origin and 35.4% of defects caused by the formation of influxes on the head part of the rails with the subsequent appearance of fatigue cracks. Various types of this defect are illustrated in Fig 1 to 4. Macro and microinvestigations of the defective metal indicated that flakes, segregations, blow holes and non-metallic inclusions were absent, but traces, characteristic for work hardened metal, of cold plastic deformation were found. The latter were expressed particularly strongly in large "influxes" (Fig 4). The structure of the upper layers of the head ceased to be grainlike and became fibrous (grain boundaries disappear) with a sharp increase in hardness (HB up to 340 to 375 instead of 217 to 260). The

Card 1/3

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Formation of Influxes on Rail Heads

appearance of the defect was caused artificially on some rail specimens by impact with a pneumatic hammer. With an increasing degree of work hardening, fatigue cracks appeared in the metal (Fig 5). It is considered that with sharply increased loads on wagon axles and the speed of the trains, rails delivered from works should be not only free from external and internal defects but the strength of the rail steel itself should be approximately doubled. A further increase in the carbon content in rail steel cannot be introduced as there is a possibility of the formation of cementite network in the head part of the ingot, characteristic for over-eutectoidal steel. Thermal treatment of carbon rails cannot secure the necessary increase in mechanical strength with the preservation of sufficient ductility. Rails of high strength and ductility can be obtained only from alloy steels with subsequent thermal treatment. These should be used in highly loaded track sections. An increase in the weight of rails per unit of length would not produce the required results as the surface area of the contact between the wheels and the rails changes

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Formation of Influxes on Rail Heads

insufficiently to reduce the specific load (kg/mm^2). In order to reduce the wear of rails, a more uniform distribution of the load is necessary. This can be achieved by increasing the width of the rail head. There are 5 figures and 2 Soviet references.

ASSOCIATION:Zavod „Azovstal'„ („Azovstal'„ Works)

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77616
SOV/133-60-2-16/25

AUTHORS: Kalashnikov, A. G., Beloglovskiy, M. Sh., Bul'skiy, M. T. (Engineers)

TITLE: Structure and Properties of Semikilled St.5ps-Steel

PERIODICAL: Stal', 1960, Nr 2, pp 153-158 (USSR)

ABSTRACT: Since 1955, killed open-hearth MSt.5sp-steel has been replaced by regular silicon-free semikilled St.5ps-steel (0.28-0.37% C and 0.7-1.0% Mn) at "Azovstal'" Plant (Zavod "Azovstal'"). The semikilled steel meets State Standards for that type of product (GOST 380-50). Melting is done in 350-ton, tilting open-hearth furnaces fired by mixed gas with oxygen enrichment. Bottom poured big-end-down ingot molds facilitate production (elimination of metal cap) and cut cost (no Al addition to the top part). The consumption per ton of rolled product is less than in corresponding killed and rimmed steel (See Fig. 1).

Card 1/5

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

Structure and Properties of Semikilled St.5ps-Steel

77616
SOV/133-60-2-16/25

Longitudinal fracture and sulfur prints of a semikilled ingot showed only three zones, i.e., dense crust, blow-holes, and core. A comparative study of chemical heterogeneity, macrostructure and mechanical properties (tensile and cold bend tests) was conducted upon the proposal of S. S. Petrov (Engineer) by A. G. Alimov, (Engineer), N. P. Kologrivov (Candidate of Technical Sciences), and L. P. Tarasova, Ye. T. Raznotina, Ye. T. Nazarenko, V. A. Fil'chakova, L. A. Aleksandrova, Z. A. Yashchenko (Engineers), and S. L. Mil'ner (Technician). Specimens were taken from 80 x 80 mm square billets and periodical profile Nr 12. A comparative study of test results for killed St.5 and semikilled St.5-steel (79 and 154 analyses, respectively) showed the following root-mean-square deviation from the predetermined composition:

Card 3/5

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

Structure and Properties of Semikilled St.5ps-Steel

77616
SOV/133-60-2-16/25

Mn content. (3) For a large-scale application of semikilled steel, further study is required for the improvement of its physical and mechanical properties. There are 6 figures; 3 tables; and 3 Soviet references.

ASSOCIATION: "Azovstal'" Plant (Zavod "Azovstal'")

Card 5/5

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.G., kand.tekhn.nauk

Durability of the cylinder heads of tractor engines. Trakt. i sel'khozmash. no.2:6-10 F '64. (MIRA 17:3)

1. Ukrainskiy filial Gosudarstvennyy vsesoyuznyy nauchno-issledovatel'skiy tekhnologicheskiy institut remonta i ekspluatatsii mashinno-traktornogo parka.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, Aleksandr Grigor'yevich, kand. tekhn. nauk;
OLEFIRENKO, G.A., red.

[Repair of the basic tractor parts] Remont bazisnykh detalei traktorov. Kiev, Urozhai, 1965. 280 p.
(MIRA 18:7)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.G. [deceased]

Magnetic properties of rocks from Guriya in the Georgian S.S.R. Trudy Inst. geofiz. AN Gruz. SSR 21:5-13 '63. (MIRA 18:12)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A. I.

The Tomilinsk-poultry hatchery Moskva Goskul'tprosvetizdat, 1954. 19 p.
(Vsesoiuznaia sel'skokhoziaistvennaia vystavka

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

USSR/Soil Science - Genesis and Geography of Soils.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10473

of soluble salts in the three-meter layer). The meadow carbonate soils are formed where the ground water is not far from the surface; they contain 0.6-3.0% humus, are poor in P, and rich in N and K. These soils can be divided into three categories: salt-free, weakly saline (139 T/hectare of salts), and heavily saline (241 T/ hectare of salts). The salts are a chloride-sulfate mixture. Marshy and meadow-marshy soils occupy a comparatively small area. Solonchaks occupied ~ 9.5% of the investigated area and fall into the following categories: typical, meadow, marshy, and residual. On the average the solonchaks contain 746 tons of salts per hectare, with chloride-sulfate and sodium-magnesium mixtures predominating. The meadow and marshy solonchaks, which are adapted to low-lying areas, occupy ~ 1% of the region. Meadow-desert and meadow-takyr soils are formed in the channels of dried up rivers under conditions of weakened

Card 2/4

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KALASHNIKOV, A. I.

Let us fulfill the five-year plan ahead of schedule. Mias. ind. SSSR 28 no.3:8 '57. (MLRA 10:6)

1. Tomilinskaya ptitsefabrika.
(Poultry) (Eggs--Production)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

BLYUMIN, A.A.; BIRAGOV, Yu.G.; KALASHNIKOV, A.I.

Automatic pH control in the lead-zinc industry. TSvet. met. 34 no.12:31-35 D '61. (MIRA 14:12)

1. Severo-Kavkazskiy filial konstruktorskogo byuro "TSvetmetavtomatika".
(Zinc--Electrometallurgy)
(Hydrogen-ion concentration--Measurement)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A. M.

Constant improvement of cultural and material services to the people of Moscow. Gor. khoz. Mosk. 30 no.8:1-4 Ag '56. (MLRA 9:10)

1. Zaveduyushchiy Otdelom gorodskogo khozyaystva Ministerstva gosudarstvennogo kontrolya Kommunisticheskoy partii Sovetskogo Soyuza.
(Moscow--Building)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.M.

Improve the management and maintenance of apartment houses. Gor. khoz. Mosk. 32 no.11:3-4 N '58. (MIRA 11:11)

1. Zavoduyushchiy Otdelom gorodskogo khozyaystva Moskovskogo gorodskoy komiteta Kommunisticheskoy partii Sovetskogo Soyuza.
(Moscow--Apartment houses--Maintenance and repair)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

6(4) PHASE I BOOK EXPLOITATION SOV/2882

Kalashnikov, Anatoliy Mikhaylovich, and Yakov Vasil'yevich Stepuk

Osnovy radiotekhniki i radiolokatsii, Kniga 1: Kolebatel'nyye sistemy (Principles of Radio Engineering and Radar, Book 1: Oscillation Systems) Moscow, Voyenizdat, 1959. 354 p. No. of copies printed not given.

Ed.: S. N. Tikhonov, Engineer, Colonel; Tech. Ed.: G. F. Sokolova.

PURPOSE: This book is intended for students of military radio schools. It may be of interest to military officers engaged in the operation of radio equipment and also students of civilian schools studying radio and radar.

COVERAGE: The authors discuss resonant circuits transmission lines, waveguides, cavity resonators and antennas. Attention is given to physical aspects of processes taking place in these devices. Formulas and expressions in the book involve techniques of secondary-school mathematics. Introduction was written by Major V. G. Levichev; Chapter 1 by Major A. M. Kalashnikov;

Card 1/10

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, Anatoliy Mikhaylovich; STEPUK, Yakov Vasil'yevich; GAYEVICH, V.N., red.; TIKHONOV, S.N., inzh.-polkovnik, red.; KOKINA, N.N., tekhn. red.

[Fundamentals of radio engineering and radar; oscillatory systems]Osnovy radiotekhniki i radiolokatsii; kolebatel'nye sistemy. Izd.2., perer. Moskva, Voenizdat, 1962. 365 p. (MIRA 15:11)

(Radio) (Radar)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, Anatoliy Mikhaylovich; SLUTSKIY, Veniamin Zakharovich; Prinimali uchastiye: FOGEL'SON, B.I.; MUNVEZ-FRENKEL, I.Z., GAYEVICH, V.N., red.; TIKHONOV, S.N., inzh.-polkovnik, red.; KOKINA, N.N., tekhn. red.

[Principles of radar and radio engineering; vacuum- tube devices and pulse techniques]Osnovy radiotekhniki i radiolokatsii; elektrovakuumnye pribory i impul'snaia tekhnika. Izd.2., perer. Moskva, Voenizdat, 1962. 385 p. (MIRA 15:10)

(Radio) (Radar) (Pulse techniques (Electronics))

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

LEVICHEV, Vladimir Grigor'yevich; STEPUK, Yakov Vasil'yevich; FOGEL'SON, Boris Il'ich; Prinimal uchastiye KALASHNIKOV,A.M.; MATLIN,I.L., red.; SOLOMONIK,R.L., tekhn.red.

[Prinicples of radio engineering and radar; radio transmitting and receiving devices]Osnovy radiotekhniki ; radioperedaiushchie i radiopriemnye ustroistva. Moskva, Voenizdat, 1962. 494 p. (MIRA 16:1)

(Radio) (Radar)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

LEVICHEV, Vladimir Grigor'yevich; STEPUK, Yakov Vasil'yevich; FOGEL'SON, Boris Il'ich. Prinimal uchastiye KALASHNIKOV, A.M.; VLADIMIROV, V.T., red.

[Principles of radio engineering and radar; radio transmitting and receiving systems] Osnovy radiotekhniki i radiolokatsii; radioperedaiushchie i radiopriemnye ustroistva. Izd. 2., perer. Moskva, 1965. 583 p. (MIRA 18:5)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, Anatoliy Mikhaylovich; STEPUK, Yakov Vasil'yevich; VLADIMIROV, V.T., red.

[Principles of radio engineering and radar; oscillatory systems] Osnovy radiotekhniki i radiolokatsii; kolebatel'nye sistemy. Izd.3., perer. Moskva, Voenizdat, 1965. 382 p. (MIRA 18:5)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

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ACC NR: AM5020527 Monograph UR/ 45

B+1

Kalashnikov, Anatoliy Mikhaylovich; Stepuk, YAkov Vasil'yevich

Principles of radio engineering and radar; oscillating systems (Osnovy radiotekhniki i radiolokatsii; kolebatel'nyye sistemy) 3rd ed, rev. Moscow, Voyenizdat M-va obor. SSSR, 1965. 382 p. illus. 47,000 copies printed.

TOPIC TAGS: oscillator theory, radio engineering, radar engineering, electromagnetic wave

PURPOSE AND COVERAGE: This textbook is intended for students in radio engineering schools specializing in radio and radar. It may also be of interest to military officers engaged in the operation and maintenance of radio and electronic equipment, as well as to students in civilian radio and radar schools. This textbook is one of four volumes on the subject "Principles of Radio Engineering and Radar." Oscillatory systems, electromagnetic power transmission lines, waveguides, cavity resonators, and antennas are covered in this volume. Considerable attention is paid to the physical side of the occurring phenomena. High school-level mathematics is used in this text.

TABLE OF CONTENTS [abridged]

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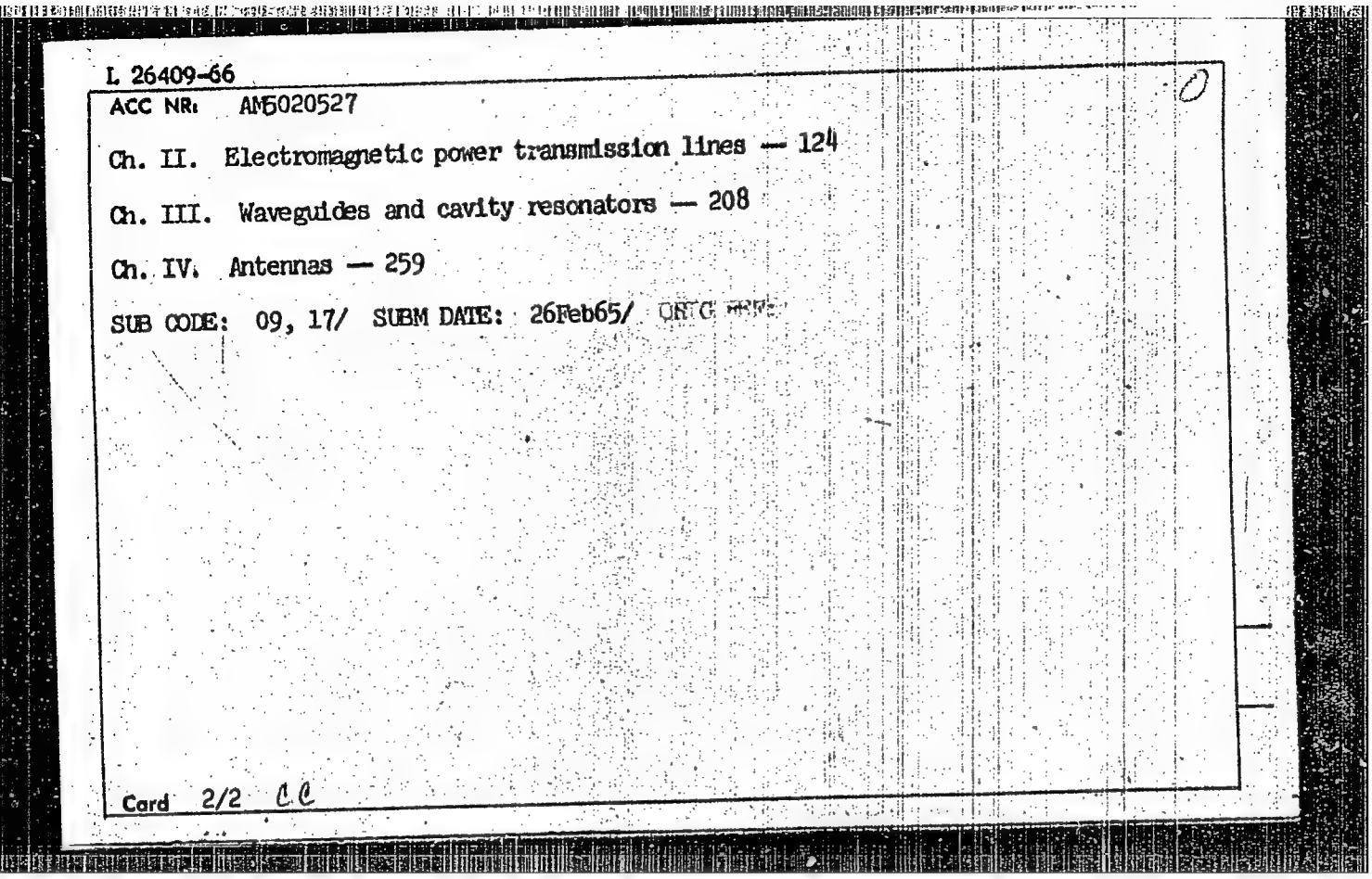

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ACC NR: AM5020527

Ch. II. Electromagnetic power transmission lines — 124

Ch. III. Waveguides and cavity resonators — 208

Ch. IV. Antennas — 259

SUB CODE: 09, 17/ SUBM DATE: 26Feb65/ ORIG REF:

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

BELOV, P.V., inzh.; KALASHNIKOV, A.P., inzh.; KUTUZOV, D.S., inzh.

Efficient diagrams of electric blasting circuits. Bezop.truda v prom. 7 no.3:26-27 Mr '63. (MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Belov, Kalashnikov). 2. Leninogorskiy polimetallicheskiy kombinat (for Kutuzov).
(Electric circuits) (Blasting)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

SHIL'NIKOV, I.L.; KALASHNIKOV, A.P.

Disk mills for the production of wood fiber tiles. Bumagodel.mash. no.9:46-52 '61. (MIRA 15:1)
(Woodpulp industry--Equipment and supplies)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A. P., Candidate Tech Sci (diss) -- "Narrow-gauge forest railroad rail wings on a snow base". Leningrad, 1959. 10 pp (Min Higher Educ USSR, Leningrad Order of Lenin Forestry Engineering Acad im S. M. Kirov), 150 copies (KL, No 25, 1959, 133)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

DEMIDOV, G.K., inzh.; KALASHNIKOV, A.F.; PANICHEV, A.D., kand.tekhn.nauk

Quality and shrinkage of rayon tire cord. Tekst.prom. 21 no.5: 13-14 My '61. (MIRA 15:1)

(Tire fabrics) (Rayon)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

PANICHEV, A.D.; KALASHNIKOV, A.P.; KUZ'MIN, Yu.S.; NOSOV, Yu.A.; DEMIDOV, G.K.

Setting of a continuous tread strip in extruding. Kauch. i rez. 20 no.8:40-44 Ag '61. (MIRA 14:8)

1. Yaroslavskiy tekhnologicheskiy institut i Yaroslavskiy shinnyy zavod.
(Tires, Rubber)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

PANICHEV, A.D.; KALASHNIKOV, A.P.; KUZ'MIN, Yu.S.; DEMIDOV, G.K.; NOSOV, Yu.A.

Shrinkage of treads. Kauch. i rez. 20 no.12:48-49 D '61. (MIRA 15:1)

1. Yaroslavskiy tekhnologicheskiy institut i Yaroslavskiy shinnyy zavod.

(Yaroslavl—Tires, Rubber)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.P. (Odessa)

Vitamin PP level in cancer of the stomach. Vrach. delo no.1: 70-72 Ja'64 (MIRA 17:3)

1. Kafedra obshchey khirurgii (zav. - zasluzhennyy deyatel' nauki, prof. I.Ya. Deyneka) pediatricheskogo i stomatologicheskogo fakul'teta i kafedra farmakologii (zav. - prof. Ya.B.Maksimovich) Odesskogo meditsinskogo instituta.

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ACCESSION NR: AP5008514 S/0286/65/000/006/0014/0014

AUTHOR: Izergin, A. P.; Chernigovskaya, V. N.; Kalashnikov, A. P.

TITLE: Quartz ampul for growing single crystals. Class 12, No. 169064

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 14

TOPIC TAGS: crystal growth, single crystal, gallium arsenide, vapor phase growth, quartz ampul

ABSTRACT: This Author Certificate introduces a quartz ampul for growing gallium arsenide single crystals from gallium melt. The ampul shown in Fig. 1 of the Enclosure is composed of two detachable parts. The upper part is provided with a side extension for arsenic, a sight hole, and a magnetic system for moving the seed. A water cooler and resistance furnace above it, surrounding the connection between the detachable parts, make possible repeated use of the ampul and its hermetic sealing by arsenic metal. Orig. art. has: 1 figure.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete im. V. V. Kuybysheva (Siberian Physicotechnical Institute at Tomsk State University)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A. P.

25738 KALASHNIKOV, A. P. Steloshch-iesya Posadki V Priusadebnom Sadu. Sad i ogorod, 1948, No. 7, s. 40-41

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A. P.

Bashkiria-Fruit Culture

Southern varieties of fruit plants in Bashkiria. Sad i og. No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, _____1953. Unclassified.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, Aleksey Petrovich

KALASHNIKOV, Aleksey Petrovich, kand.sel'skokhozyaystvennykh nauk; ZAGORSKIY, G., red.; KRASNOSHCHEKOV, N., red.; YAKOVLEVA, Ye., tekhn.red.

[Corn as feeding stuff for farm animals] Kukuruza v ratsionakh sel'skokhoziaistvennykh zhivotnykh. [Moskva] Mosk.rabochii, 1957. 59 p. (MIRA 11:1)

(Corn (Maize))

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

USSR/Farm Animals - Cattle

Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69309

Author : Kalashnikov, A.P., Klun'ko, S.K.
Inst :
Title : Utilization of Lupine as Feed For Cattle

Orig Pub : Zhivotnovodstvo, 1957, No 5, 43-46

Abstract : Experiments revealed the high nutritional qualities of lupine when used in a green form and in a form of silage as feed for cattle. Data on the crop capacity of fodder lupine, accumulation of nutrient substances in it according to phases of development, chemical composition, and results of feeding it to dairy cows are given.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, Aleksey Petrovich, kand. sel'khoz. nauk; NECHAYEVA, Ye.G., red.; KADIYEVA, Ye.V., red.; MAKHOVA, N.M., tekhn. red.; SOKOLOVA, N.N., tekhn. red.

[Silage type of feeding for cattle] Silosnyi tip kormleniia krupnogo rogatogo skota. Moskva, Sel'khozizdat, 1963. 158 p. (MIRA 16:10)

(Cattle—Feeding and feeds) (Ensilage)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

UTYSHEV, V.; KALASHNIKOV, A.P., kand. tekhn. nauk, nauchnyy rukovoditel'

Eliminating the seasonality of road construction work in the logging industry. Sbor. nauch. rab. stud. Petrozav. gos. un. no.6:107-112 '62. (MIRA 17:11)

1. Kafedra sukhoputnogo transporta lesa Petrozavodskogo gosudarstvennogo universiteta.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

SOLOV'YEV, A.; KALASHNIKOV, A.P., kand. tekhn. nauk, nauchnyy rukovoditel'

Organizing and carrying out the investigation of automobile logging roads in winter. Sbor. nauch. rab. stud. Petrozav. gos. un. no.6:122-127 '62. (MIRA 17:11)

1. Kafedra sukhoputnogo transporta lesa Petrozavodskogo gosudarstvennogo universiteta.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.P. (Odessa, ul. Korolenko, 9, kv.28)

Content and excretion of the derivatives of nicotinic acid in patients with cancer of the stomach and the lungs. Vop. onk. 10 no.12:32-34 '64. (MIRA 18:6)

1. Iz kafedry obshchey khirurgii pediatricheskogo i stomatologicheskogo fakul'tetov (zav. kafedroy - zasluzhennyy deyatel' nauki prof. I.Ya. Deyneka) i kafedry farmakologii (zav.- prof. Ya.B. Maksimovich) Odesskogo gosudarstvennogo meditsinskogo instituta (rektor - zasluzhennyy deyatel' nauki prof. I.Ya. Deyneka).

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.S.

AUTHOR: KALASHNIKOV, A.S. 20-5-2/54

TITLE: On the First Boundary Value Problem for the Equations of the Onedimensional Instationary Percolation (O pervoy kraevoy zadache dlya uravneniy odnomernoy nestatsionarnoy filtratsii)

PERIODICAL: Doklady Akad.Nauk SSSR, 1957, Vol.115, Nr.5, pp. 858-861 (USSR)

ABSTRACT: The author uses the method of Oleynik [Ref.2] in order to prove the existence and uniqueness of the generalized solution of the first boundary value problem for the equation

$$\frac{\partial u}{\partial t} = \frac{\partial^2 \varphi(u)}{\partial x^2}.$$

Here $\varphi(u) > 0$, $\varphi'(u) > 0$ for $u > 0$; $\varphi(0) = \varphi'(0) = 0$. The solution is considered in the rectangle $0 \leq t \leq T$, $0 \leq x \leq X$ and in the strip $0 \leq t \leq T$, $0 \leq x < \infty$.

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

AUTHORS: Olejnik, O.A., Kalashnikov, A.S., and Cho Yŭ-lin SOV/38-22-5-6/10

TITLE: Cauchy Problems and Boundary Value Problems for the Equation of the Type of Instationary Filtration (Zadacha Koshi i krayavyye zadachi dlya uravneniy tipa nestatsionarnoy fil'tratsii)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1958, Vol 22, Nr 5, pp 667-704

ABSTRACT: The authors consider the Cauchy problem and the first and second boundary value problems for the equation

$$(1) \qquad \frac{\partial u}{\partial t} = \frac{\partial^2 \varphi(t,x,u)}{\partial x^2} .$$

Here $\varphi > 0$, $\varphi'_u > 0$ for $u > 0$ and $\varphi = \varphi'_u = 0$ for $u = 0$. For each problem a generalized solution is defined and its existence and uniqueness is proved. It is shown that in all points in which (1) does not degenerate, the generalized solution has continuous derivatives which satisfy (1) in the usual sense. The authors formulate 23 theorems with definitions and conclusions. Most of the results are already published (see [Ref 9, 10, 11]).
There are 16 Soviet references.

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

Cauchy Problems and Boundary Value Problems for the Equation of the Type of Instationary Filtration SOV/38-22-5-6/10

PRESENTED: by S.L.Sobolev, Academician

SUBMITTED: November 21, 1957

Card 2/2

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A. S. Cand Phys-Math Sci -- (diss) "On discontinuous ~~generating~~ solutions of quasilinear equations and systems of the hyperbolic type." Mos, 1959. 9 pp including cover (Acad Sci USSR. Math Inst im V. A. Steklov), 150 copies

Bibliography at end of text (15 titles) (KL, 52-59, 116)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

16(1)

AUTHOR: Kalashnikov,A.S. SOV/42-14-2-6/19

TITLE: On the Uniqueness of the Solution of the Cauchy Problem for a Class of Quasilinear Hyperbolic Systems

PERIODICAL: Uspekhi matematicheskikh nauk,1959,Vol 14, Nr 2, pp 195-202(USSR)

ABSTRACT: In the strip $S\{0 \leqslant t \leqslant T,\ -\infty < x < \infty\}$ the author considers the hyperbolic system

(1) $$\frac{\partial u_i}{\partial t} + \frac{\partial \varphi_i(t,x,u)}{\partial x} + \psi_i(t,x,u) = 0 \qquad (i=1,2)$$

with the initial conditions

(2) $$u_i(0,x) = u_{io}(x) ,$$

where $u_{io}(x)$ are piecewise continuous and piecewise smooth functions which are bounded together with two derivatives. Let $\lambda_k(t,x,u)$ be the eigenvalues of the matrix $\left\| \frac{\partial \varphi_i}{\partial u_j} \right\|$; $c_k(t,x,u) = (c_{k1}(t,x,u), c_{k2}(t,x,u))$ the corresponding normed eigenvectors. As the generalised solution of (1)-(2) the author denotes a

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

piecewise continuous and piecewise smooth function $u(t,x) = (u_1(t,x), u_2(t,x))$, which together with the first and second derivatives is bounded in S, which satisfies the identities

$$\int_S \int \left[\frac{\partial f_i}{\partial t} u_i + \frac{\partial f_i}{\partial x} \varphi_i(t,x,u) - f_i(t,x) \cdot \psi_i(t,x,u) \right] dt\, dx +$$

$$+ \int_{-\infty}^{\infty} f_i(0,x) u_{io}(x) dx = 0 , \qquad i=1,2 ,$$

where $f(t,x)$ is an arbitrary finite function continuously differentiable in S, $f(T,x) = 0$, and which on the lines of discontinuity $x = x(t)$ satisfies either the inequation

$$x'(t) < \lambda_1^- , \qquad \lambda_1^+ < x'(t) < \lambda_2^+$$

or

$$\lambda_1^- < x'(t) < \lambda_2^- , \quad \lambda_2^+ < x'(t).$$

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Here $\lambda_k^- = \lambda_k(t,x(t), u(t,x(t)-0))$, $\lambda_k^+ = \lambda_k(t,x(t), u(t,x(t)+0))$.

Theorem: The generalized solution is unique under the following conditions:

1) $\frac{\partial \varphi_i}{\partial u_j}$ is two times, $\frac{\partial \psi_i}{\partial u_j}$ one time continuously differentiable,

$\frac{\partial \varphi_i}{\partial u_j}$ bounded in S for bounded u.

2) To every $\bar{u} = (\bar{u}_1, \bar{u}_2)$ and $\bar{\bar{u}} = (\bar{\bar{u}}_1, \bar{\bar{u}}_2)$ there exists a $\tilde{u} = (\tilde{u}_1, \tilde{u}_2)$ so that

$$\varphi_i(t,x,\bar{u}) - \varphi_i(t,x,\bar{\bar{u}}) = \sum_j \frac{\partial \varphi_i(t,x,\tilde{u})}{\partial u_j} (\bar{u}_j - \bar{\bar{u}}_j).$$

If here $\lambda_k(t,x,\bar{u}) \neq \lambda_k(t,x,\bar{\bar{u}})$, then

$$\left[\lambda_k(t,x,\bar{u}) - \lambda_k(t,x,\tilde{u})\right]\left[\lambda_k(t,x,\bar{\bar{u}}) - \lambda_k(t,x,\tilde{u})\right] < 0 .$$

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

On the Uniqueness of the Solution of the Cauchy Problem for a Class of Quasilinear Hyperbolic Systems

SOV/42-14-2-6/19

3) For $(t,x)\in S$ and all $\bar{u},\bar{\bar{u}}$ it holds:

$$|\Delta_{12}(t,x,\bar{u},\bar{\bar{u}})| > |\Delta_{ii}(t,x,\bar{u},\bar{\bar{u}})| ,$$

where $\Delta_{ij}(t,x,\bar{u},\bar{\bar{u}}) = \begin{vmatrix} c_{i1}(t,x,\bar{u}) & c_{i2}(t,x,\bar{u}) \\ c_{j1}(t,x,\bar{\bar{u}}) & c_{j2}(t,x,\bar{\bar{u}}) \end{vmatrix}$.

The author mentions Yu.Yegorov. The author thanks O.A.Oleynik for his interest in the investigations.

There is 1 figure, and 5 references, 4 of which are Soviet, and 1 American.

SUBMITTED: December 4, 1958

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

16(1)

AUTHOR: Kalashnikov, A.S.

SOV/20-127-1-6/65

TITLE: The Construction of Generalized Solutions to Quasilinear First Order Equations Without Convexity Condition as Limits of Solutions to Parabolic Equations With a Small Parameter

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 1, pp 27-30 (USSR)

ABSTRACT: Let $u(t,x)$ be the generalized solution in the sense of [Ref 2] of the Cauchy problem

$$\frac{\partial u}{\partial t} + \frac{\partial \varphi(u)}{\partial x} = 0 \quad ; \quad u(0,x) = u_0(x) \quad , \quad -\infty < x < \infty$$

in the strip $S\{0 \leq t \leq T \ , \ -\infty < x < \infty\}$. Let $\varphi(u)$ be two times continuously differentiable; $\varphi''(u)$ is assumed to have finitely many zeros in every finite u-interval; let the $u_0(x)$, $u_0'(x)$, $u_0''(x)$ be bounded for $-\infty < x < \infty$ and have at most finitely many points of discontinuity. Let $u_\varepsilon(t,x)$ be the solution of $\varepsilon \frac{\partial^2 u}{\partial x^2} = \frac{\partial u}{\partial t} + \frac{\partial \varphi(u)}{\partial x}$, $\varepsilon > 0$,

$u(0,x) = u_0(x)$, $-\infty < x < \infty$.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

SOV/20-127-1-6/65

The Construction of Generalized Solutions to Quasilinear First Order Equations Without Convexity Condition as Limits of Solutions to Parabolic Equations With a Small Parameter

Theorem : Let $u_0(x) \in C^{(2)}$ for $x \neq x_k$ and monotonous for $x_k - a \leq x < x_k$ and $x_k < x \leq x_k + a$, whereby $\varphi''(u_0(x_k \pm 0)) \neq 0$, $(k = 1,\ldots,n ; a > 0)$. Then for $\epsilon \to 0$ the $u_\epsilon(t,x)$ tends to $u(t,x)$ in all points of continuity of $u(t,x)$ which belong to a strip $S_0 \{ 0 \leq t \leq T_0 , -\infty < x < \infty \}$, $T_0 > 0$.

S.L.Sobolev is mentioned in the paper; the author thanks Professor O.A. Oleynik for valuable suggestions.
There are 7 Soviet references.

ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova Akademii nauk SSSR (Mathematical Institute imeni V.A. Steklov, AS USSR)

PRESENTED: March 30, 1959, by I.G. Petrovskiy, Academician
SUBMITTED: March 30, 1959

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

PETROVSKIY, Ivan Georgiyevich. Prinimal uchastiye CHUDOV, L.A.; BAYEVA, A.P., red.; KALASHNIKOV, A.S., red.; AKHLAMOV, S.N., tekhn. red.

[Lectures on equations with partial derivatives] Lektsii ob uravneniiakh s chastnymi proizvodnymi. Izd.3., dop. Moskva, Gos. izd-vo fiziko-matem.lit-ry. 1961. 400 p. (MIRA 14:12)
(Differential equations, Partial)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

S/042/62/017/003/001/002
B125/B104

AUTHORS: Il'in, A. M., Kalashnikov, A. S., Oleynik, O. A.

TITLE: Linear second-order parabolic equations

PERIODICAL: Uspekhi matematicheskikh nauk, v. 17, no. 3(105), 1962, 3-146

TEXT: This is a review of original papers on the theory of linear second-order parabolic equations published between 1906 and 1962. The classical and the generalized solutions of the boundary value problems and of the Cauchy problem are considered in particular. The most important English-language reference is: J. Nash, Continuity of solutions of parabolic and elliptic equations, Amer. Journ. Math. 80, no. 4 (1958), 931-954.

SUBMITTED: December 19, 1961

Card 1/1

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

IL'IN, A.M.; KALASHNIKOV, A.S.; OLEYNIK, O.A.

Linear second-order parabolic equations. Usp.mat.nauk 17 no.3:3-146 My-Je '62. (MIRA 15:12)
(Differential equations, Linear)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.S.

Cauchy problem in a class of growing functions for equations of the type describing unsteady percolation. Vest. Mosk. un. Ser. 1: Mat., mekh 18 no.6:17-27 N-D'63. (MIRA 17:2)

1. Kafedra matematicheskogo analiza Moskovskogo universiteta.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

80944

S/049/60/000/02/006/022
E131/E459

3.9100

AUTHOR: Kalashnikov, A.V. and Zybin, K.Yu.

TITLE: Some Results of Investigating the Variations of the Horizontal Component of the Geomagnetic Field (From Observations During the I.G.Y.)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1960, Nr 2, pp 236-242 (USSR)

ABSTRACT: The investigations were carried out by the Station "Borok" of the Institute of Physics of the Earth, Academy of Sciences USSR (58°02 N and 38°58 E). A three-component assembly was employed giving the variations of H_x, H_y and Z of the geomagnetic field. The vertical component was recorded by means of a mesh placed horizontally in the earth, the total surface of which was 15700 m^2. The sensitivity of the Z-channel was 1.4×10^{-2} γ/mm. Examples of recordings of the variations of all three components are illustrated in Fig 2. Vector diagrams of the variations of the horizontal components were plotted showing the amplitudes of the components H_x and H_y for a given instant (Fig 3). The curves thus obtained enclose an elongated area, the azimuth of the longer

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S/049/60/000/02/006/022
E131/E459

Some Results of Investigating the Variations of the Horizontal Component of the Geomagnetic Field (From Observations During the I.G.Y.)

axis having predominantly a direction NW to SE, ie the mean azimuth was found to be 38° (Fig 4). It was found that the diurnal rotation of the vector was predominantly anti-clockwise. Out of 456 cases, 258 rotations were anti-clockwise, 146 clockwise and 52 were variable (Fig 5, 6 and 7). The diagram of the relationships

E_x/H_y, E_y/H_x and $E/H = \sqrt{E_x^2 + E_y^2} \Big/ \sqrt{H_x^2 + H_y^2}$

was also produced (Fig 8) in order to illustrate the relationship between the amplitude of the variations of the electric field and those of the magnetic field. The cause of these variations could be the effect of electric eddies in the ionosphere at the heights of 100 km and

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IX

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

FEDIN, A.A., kand.tekhn.nauk; BERDYSHEV, S.K., inzh.; KALASHNIKOV, A.V., inzh.; KUZNETSOVA, L.S., inzh.

Large aerated silicate blocks. Stroi. mat. 6 no.12:22-23 D '60. (MIRA 13:11)

(Sand-lime products)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, A.V., inzhener-podpolkovnik

Why did Osipov take a long time to eliminate the defect? Vest. Vozd.Fl. no.7:75-76 Jl '61. (MIRA 14:8)
(Airplanes, Military--Maintenance and repair)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

GOGINA, Z.M.; KALASHNIKOV, B.P., direktor.

Suturing the cornea and sclera in open wounds of the eye ball as method of primary treatment of such wounds. Vest.oft. 32 no.2:27-31 Mr-Ap '53.
(MLRA 6:5)

1. Glaznoye otdeleniye Novgorodskoy oblastnoy bol'nitsy (for Gogina).
2. Leningradskiy institut glaznykh bolezney imeni Girshmana (for Kalashnikov). (Eye--Wounds and injuries) (Sutures)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, B.P.

V SET

ON THE EFFECT OF GAMMA RAYS ON THE BIOLOGICAL ACTIVITY OF THE RETINA. B. P. Kalashnikov. (Leningrad State Research Inst.) Doklady Akad. Nauk S.S.S.R. 104, 64-7(1955) Sept. 1. (In Russian)

Effects of Co^{60} gamma rays on rabbit retina were registered on a Siemens electrocardiograph. Electroretinograms are given. (R.V.J.)

Leningrad State Sci Res. Inst. Eye Diseases
im. Gerschuni.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

BAZHENOVA, K.M., kand.med.nauk; GARVIN, L.I., dotsent; KALASHNIKOV, B.P., prof.; KARASIK, V.M., prof.; K'YANDSKIY, A.A., prof.; KRISHOVA, N.A., prof.; LOPOTKO, I.A., prof.; MASHLAKOVA, P.V., vrach; MESSEL', M.A., kand.med.nauk; PUNIN, B.V., prof.; ROZHDESTVENSKIY, V.I., doktor med. nauk; ROMANOVSKAYA, V.K., vrach; SOSNYAKOV, N.G., prof.; TUR, A.F., prof.; TUSHINSKIY, M.D., prof.; FILIPCHENKO, Ye.M., kand.med.nauk; KHROMOV, B.M., prof.; TSURINOVA, Ye.G., doktor med.nauk; SHRAYBER, M.G., prof.; POLIKARPOV, S.N., dotsent; UDERMAN, Sh.I., dotsent, red.; SHEVCHENKO, F.Ya., tekhn.red.

[Physician's handbook on first aid and emergency care] Spravochnik vracha skoroi i neotlozhnoi pomoshchi. Leningrad, Gos.izd-vo med. lit-ry Medgiz, Leningr.otd-nie, 1960. 230 p. (MIRA 13:8)
(MEDICINE--HANDBOOKS, MANUALS, ETC.)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

Problems in Radiation Biology (Cont.) SOV/5435

Card 8/10

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KLYACHKO, Maks L'vovich, prof.; KALASHNIKOV, B.P., red.; KHARASH, G.A., tekhn. red.

[Glaucoma in children, adolescents, and young adults] Glaukoma detskogo, iunosheskogo i molodogo vozrasta. Leningrad, Medgiz, 1961. 239 p. (MIRA 14:11)

(GLAUCOMA)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, B.P.; BYSTROVA, Yu.A.

Radioisotope diagnosis of eye tumors and possibilities of its improvement. Med. rad. 9 no.2:17-23 D '64.

(MIRA 18:12)

1. Tsentral'nyy nauchno-issledovatel'skiy rentgeno-radiologicheskiy institut Ministerstva zdravookhraneniya SSSR.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

BAZHENOVA, K.M., dots.; VOL'FOVSKAYA, R.N., dots.; GARVIN, Leonid Iosifovich, dots.; KALASHNIKOV, B.P., prof.; K'YANDSKIY, A.A., prof.; LEVIN, G.Z., prof.; LOPOTKO, I.A., prof.; PARIYSKAYA, T.V., kand. med. nauk; ROZHDESTVENSKIY, V.I., doktor med. nauk; ROMANOVSKAYA, V.K.; TUR, A.F., prof.; KHVILIVITSKIY, T.Ya., prof.; KHROMOV, B.M., prof.; SHRAYBER, M.G., prof.; D'YACHENKO, P.K., red.

[Manual for the physician on emergency and first aid] Spravochnik vracha skoroi i neotlozhnoi pomoshchi. Izd.2., ispr. i dop. Leningrad, Meditsina, 1965. 355 p. (MIRA 18:4)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, B.V., inzh.

How we have built the foundations of small-sized signal lights. Avtom., telem. i sviaz' 6 no.9:44 S '62. (MIRA 15:9)

1. Isakogorskaya distantsiya signalizatsii i svyazi Severnoy dorogi.

(Railroads--Signaling)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, D. L.

8(2), 9(6)

AUTHOR: Kalashnikov, D. L., Engineer SOV/119-59-3-9/15

TITLE: A Small-sized Electrostatic Kilovoltmeter for 25 kv With Small Leakage Currents (Elektrostaticheskiy malogabaritnyy kilovol'tmetr na 25 kv s malymi tokami utechek)

PERIODICAL: Priborostroyeniye, 1959, Nr 3, pp 23-24 (USSR)

ABSTRACT: At present only one type of electrostatic kilovoltmeter is produced by Soviet Industry, the shielded type S-96 with three ranges. It can be used up to voltages of 30 kv. This instrument, although being an allround type, has many disadvantages: large leakage currents, which depend on the ambient atmospheric conditions, dangerous handling, and too large a size and weight. In this article the instrument DK-25 is described, which does not exhibit any of the foregoing shortcomings. Its principle is that of the electrostatic kilovoltmeter, and it is designed as follows: A fixed electrode is mounted on a Plexiglas insulator of special design. Through a system of contacts within the insulator the high voltage to be measured is transmitted to the fixed electrode. The movable electrode is a sector of a circular cylinder

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made of aluminum foil 0.15 mm thick and has been shaped as to give the scale almost a linear character. A movable electrode, a pointer and a damping vane are mounted on the axis of the movable system. The following table contains the characteristic data of several kilovoltmeters:

Type of electrostatic kilovoltmeter	Range in kv	dimensions in mm			weight in kg
		length	width	height	
S-96	30	552	278	237	11
FS-30	30	332	282	565	11.5
DZhII-Amerika	20	552	328	430	20
DK-25	25	215	175	155	3

The error of the instrument DK-25 is better than 1.5 %. It can be used for frequencies up to 30 megacycles, and it reaches reading position after 2 seconds. It has been used for many years under hard conditions and has proved its quality and reliability. There are 3 figures and 1 table.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, N.; TOKMACHEV, G.

Readers about books. Prof.-tekh.obr.12 no.11:30-31 N '55.
(MLRA 9:2)

1.Zamestitel' direktora po uchebno-proizvodstvennoy chasti dmitrovskogo uchilishcha mekhanizatsii sel'skogo khozyaystva No.1 (Orlovskaya oblast') (for Kalashnikov). 2.Zaveduyushchiy uchebno-metodicheskim kabinetom Voronezhskogo oblastnogo upravleniya trudovykh rezervov (for Tokmachev).
(Technical education)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, E. Ya.

KALASHNIKOV, E.
G. EICHGORN, MASLOBOINO-ZHIROVOE DELO 11, 26-38, 1931

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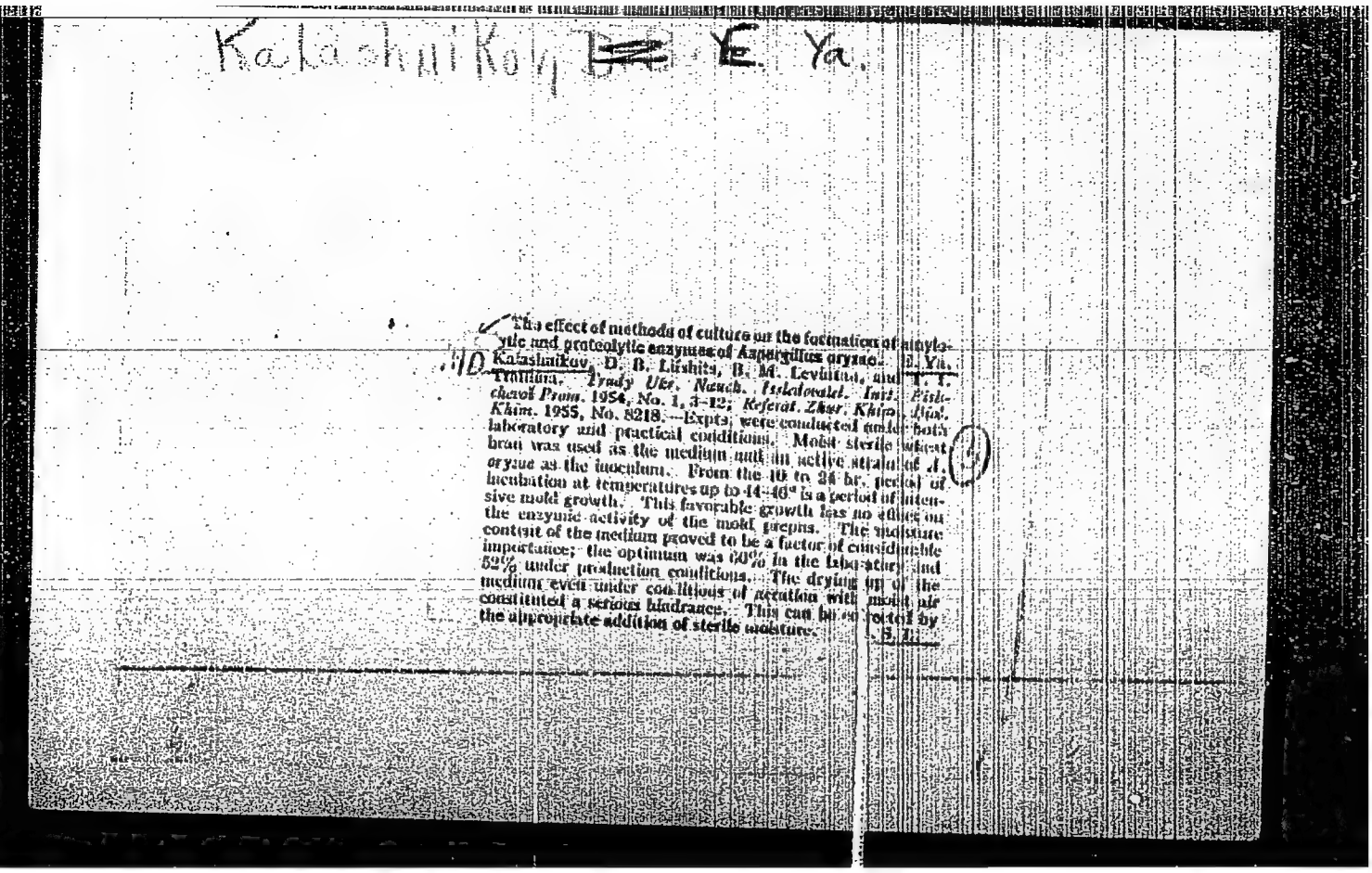
"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0



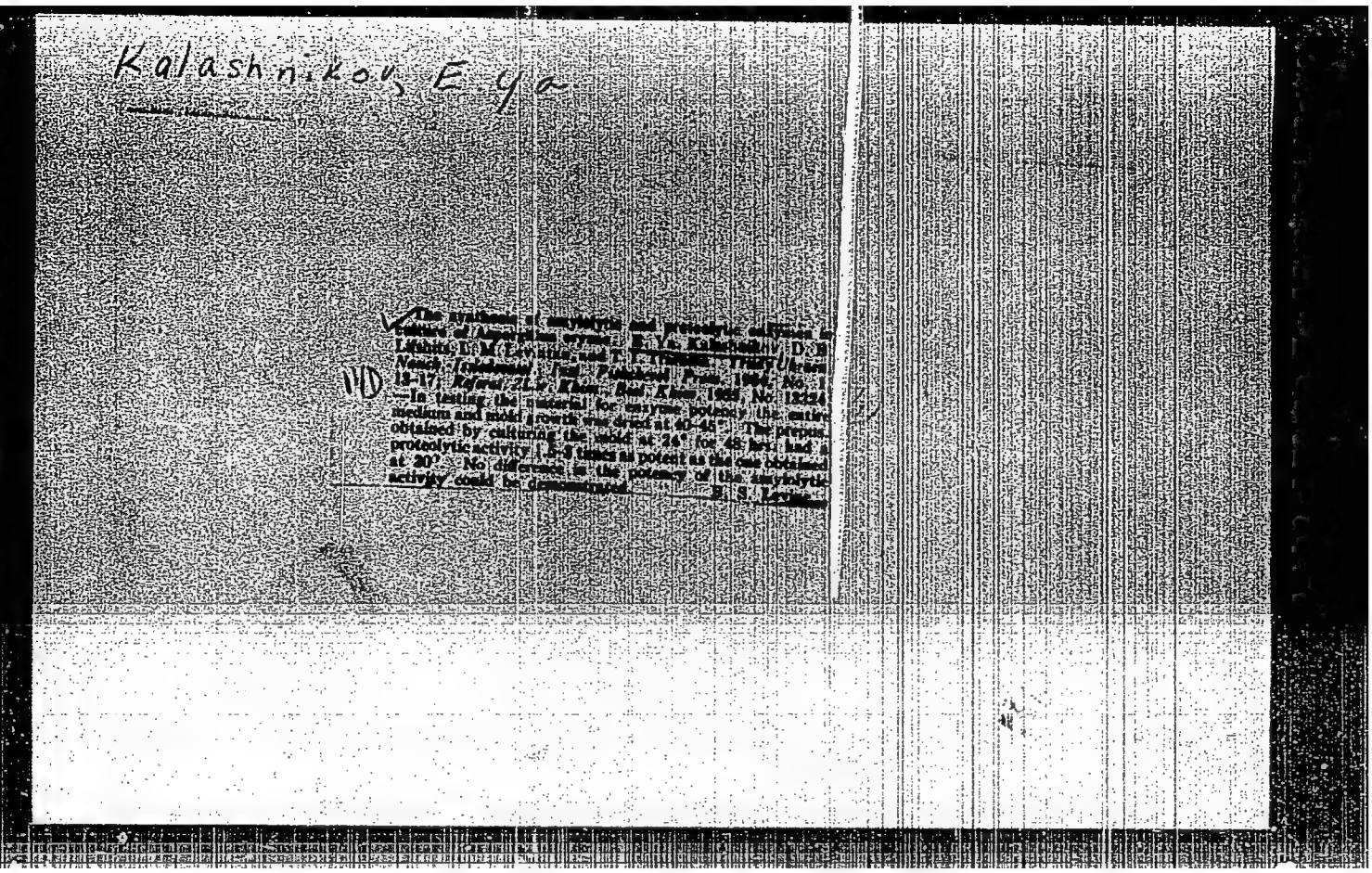
Kalashnikov, E. Ya.

The effect of methods of culture on the formation of amylolytic and proteolytic enzymes of Aspergillus oryzae. E. Ya. Kalashnikov, D. B. Lishits, B. M. Levitina, and T. T. Trifilina. *Trudy Ukr. Nauch. Issledovatel. Inst. Pishchevoi Prom.* 1954, No. 1, 3-12; *Referat. Zhur. Khim. Biol. Khim.* 1955, No. 8218.—Expts. were conducted under both laboratory and practical conditions. Moist sterile wheat bran was used as the medium and an active strain of *A. oryzae* as the inoculum. From the 10 to 24 hr. period of incubation at temperatures up to 44-46° is a period of intensive mold growth. This favorable growth has no effect on the enzymic activity of the mold preps. The moisture content of the medium proved to be a factor of considerable importance; the optimum was 60% in the laboratory and 55% under production conditions. The drying up of the medium even under conditions of aeration with moist air constituted a serious hindrance. This can be overcome by the appropriate addition of sterile moisture.

S. Ts.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0



Kalashnikov, E ya

[illegible] amylolytic and proteolytic enzymes in cultures of Aspergillus oryzae. E. Ya. Kalashnikov, D. S. Lifshits, L. M. Levitina, and T. I. [illegible]. Prikl. Biokhim. i Mikrobiol. [Applied Biochem. and Microbiol.], Akad. Nauk SSSR, 1964, No. 1, 13-17. Refer. Zhur. Khim., Abs. Akad. Nauk, 1965, No. 12J54 —In testing the material for enzyme potency (the entire medium and mold growth was dried at 40-45°. The preparation obtained by culturing the mold at 24° for 48 hrs. had a proteolytic activity 1.5-2 times as potent as the one obtained at 30°. No difference in the potency of the amylolytic activity could be demonstrated. — S. S. Levitin

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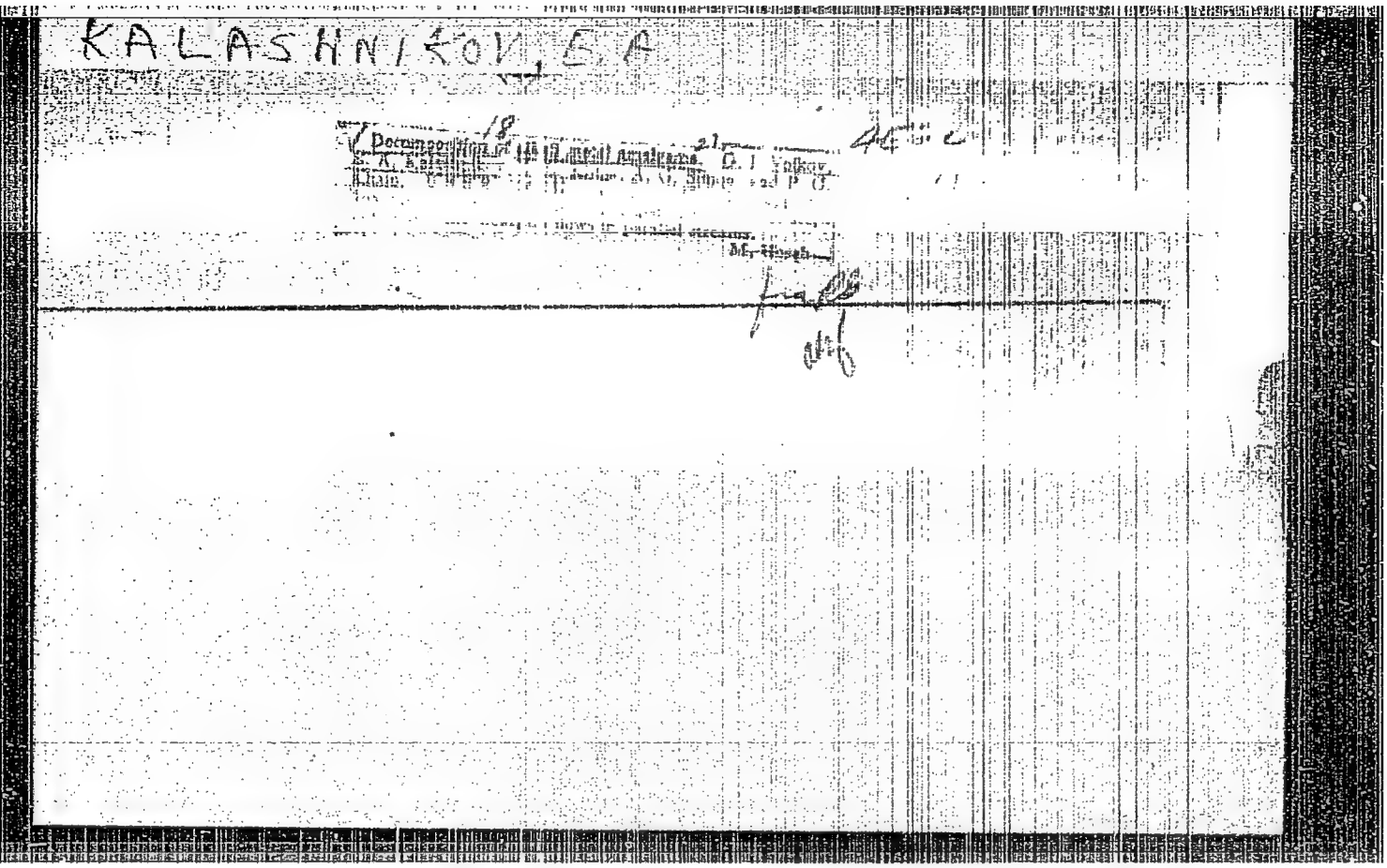
"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0



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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

ANUR'YEV, V.I.; KALASHNIKOV, F.F.; MASLENNIKOV, I.M.; SAZONOV, A.S., red. izd-va; TIKHANOV, A.Ya., tekhn. red.

[Machinery designer's handbook]Spravochnik konstruktora-mashinostroitelia.[By]V.I.Anur'ev, F.F.Kalashnikov, I.M.Maslennikov. Izd.2., perer. i dop. Moskva, Mashgiz, 1962. 687 p. (MIRA 16:3)

(Machinery--Design and construction)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

S/135/61/000/001/017/018
A006/A001

AUTHORS: Kvartin, I.I., Kalashnikov, F.I., Engineers

TITLE: On Welding in Water Vapor Atmosphere

PERIODICAL: Svarochnoye proizvodstvo, 1961, No. 1, p. 48

TEXT: Welding of 1 - 2 mm thick sheet steel (St.3) in water vapor was investigated at the Odessa Plant of Food-Stuffs Machinebuilding with the A-547r semi-automatic machine, using Sv-08 wire. To a 1.5 mm thick netted pipe, a 2 mm thick steel cone was welded with 120 - 150 amps current, 20 - 25 v arc voltage. Some deficiencies of the process such as considerable heating of the burner and butting of the wire against the nozzle edge when leaving the tip were eliminated by modernizing the burner design. The method of supplying dry vapor to the welding zone was also improved. In the vapor generator designed by the Plant imeni 15-letiye LKSMU the electric interrupter was replaced by a micro-interrupter, a settling tank for the condensate was devised and a vapor superheater was installed. The mechanical properties of the weld joints were 42 kg/mm^2 ultimate strength; 6.9 - 7 kgm/cm^2 toughness and a bending angle of 160 - 180°. The problem is set

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On Welding in Water Vapor Atmosphere

S/135/61/000/001/017/018
A006/A001

of using water, containing certain additives, to establish optimum vapor parameters. This subject should be studied by research institutes and laboratories.

ASSOCIATION: Odesskiy zavod prodovol'stvennogo mashinostroyeniya (Odessa Plant of Food-Stuffs Machinebuilding)

Card 2/2

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KALASHNIKOV, G.; MAKAROV, V.; GUSAROV, V.

Mechanical transformer. Radio no.10:59 '56. (MLRA 9:11)

(Electric transformers)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

VAGANOV, Viktor Vasil'yevich; SAFONOV, Vladimir Yefimovich; MIRONOV, Georgiy Petrovich; KALASHNIKOV, G.A., red.; SHAKHOVA, L.I., red.izd-va; KUZHETSOVA, A.I., tekhn.red.

[Manual for workers in the exportation of lumber] Posobie dlia rabotnikov po eksportu lesomaterialov. Moskva, Goslesbumizdat, 1960. 203 p. (MIRA 13:4)

(Lumber trade)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, G.G., polkovnik meditsinskoy sluzhby

Thromboembolism of the pulmonary artery following surgical intervention. Voen.-med. zhur. no.6:38-40 '64. (MIRA 18:5)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, G.I.

Centrifugal casting of turbocompressor rotors. Avt. prom. 31 no.1:42-43 Ja '64. (MIRA 18:3)

1. Yaroslavskiy motornyy zavod.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, G.I.

Mechanical conveying of billets from the heating furnace to dies.
Avt.prom. 29 no.3:42 Mr '63. (MIRA 16:3)

1. Yaroslavskiy motornyy zavod.
(Yaroslavl—Conveying machinery)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, G.I.

Mechanical conveying of billets from the heating furnace to the dies. Avt.prom. 29 no.9:40-41 S '63. (MIRA 16:9)

1. Yaroslavskiy motornyy zavod.

(Feed mechanisms)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, G.P.; GAYVORONSKIY, N.A.

Two cases of congenital deformations of the spine of platyspondylia type. Vest. rent. i rad. no.4:78-81 Jl-Ag '54. (MLRA 7:10)

1. Iz ortopedicheskogo otdeleniya (zav. prof. P.I.Bakov) Odesskoy 2-y oblastnoy klinicheskoy bol'nitsy (glavnyy vrach I.P.Polyavskiy)
(SPINE, abnormalities,
platyspondylisis)
(ABNORMALITIES,
platyspondylisis)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, G.P.

Isolated tuberculous lesion of the posterior tubercle of the atlas. Ortop.travm. i protez. 19 no.4:60-61 Jl-Ag '58 (MIRA 11:11)

1. Iz konstnotuberkuleznogo otdeleniya (zav. -G.P.Kalashnikov) Odesskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach - kand.med.nauk I.P. Pelyavskiy).

(TUBERCULOSIS, SPINAL, case reports
isolated lesion of posterior tubercle of atlas
(Rus))

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, G.P.; BOLOTINA, Z.V.

Extensive echinococcal lesions of pelvic and spinal bones. Ortop., travm., i protez. 20 no.11:81-82 N '59. (MIRA 13:4)

1. Iz kostnotuberkuleznogo otdeleniya (zaveduyushchiy - G.P. Kalashnikov) Odesskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach - dotsent I.P. Pelyavskiy).
(ECHINOCOCCOSIS compl.)
(SPINE dis.)
(PELVIC BONES dis.)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, G.P. (Odessa, Komsomol'skaya ul., d.13, kv.4); TERNOVOY, K.S.

Operative treatment of tuberculous trochanteritis. Ortop., travm. i protez. 25 no.11:43-47 N '64. (MIRA 18:11)

1. Iz kostnotuberkuleznogo otdeleniya (zav. - G.P. Kalashnikov) Odesskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach - K.S. Ternovoy). Submitted November 1, 1963.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0

KALASHNIKOV, G.P. (Odess, Komsomol'skaya ul. d.13, kv.4)

Posterior tuberculous spondylitis. Ortop., travm. i protez. 26 no.4:65-67 Ap '65. (MIRA 18:12)

1. Iz kostnotuberkuleznogo otdeleniya (zav. - G.P.Kalashnikov) Odesskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach - K.S.Ternovoy).

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000620010020-0"